Bruhat Bangalore Mahanagara Palike

Executive Engineer Yelahanka Division

Name of Work: Modified Estimate For Improvements to balance roads and drains at Ananthpura Villagein Chowdeshwari ward -02 of Yelahanka Sub division

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work . Loading and Unloading of Stone Boulder/Stone aggregates/Sand/Kankar/Moorum.(Tipper 5.5 m3) (V-I.No 1.4,Page No-5 PWD SR 2021-22) & (V-III Page No.3, Item No.1.1 A of PWD SR 2021-22)								
	RCC Drain Desilt								
	Ananthpura Village								
		2	150.00	0.60	0.55	99.00			
	RCC Drain								
	Bhagavathi Badavane 3rd A Main Rd								
	RHS	1	198.40	1.00	1.05	208.32			
						307.32			
				Upto 125%		**203.50**	**Cum**	**264.00**	**53,724.00**
				Above 125%		**103.82**	**Cum**	**264.00**	**27,408.48**
	Approved Amount		**264.00**						
2	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) **Mix 1:3:6 (M10) Using 40 mm** nominal size graded crushed coarse aggregates (V-1, P.No-15, I No-2.1.3 of PWD SR 2021-22) (Issue								
	RCC Drain								
	Bhagavathi Badavane 3rd A Main Rd								
	RHS	1	198.40	1.00	0.15	29.76			
	CC Road								
	Cross Rd-1	1	25.40	5.00	0.15	19.05			
						48.81	Cum	4826.00	235557.06
	Approved Amount		**4826.00**						
3	Supplying, **Fitting and Placing un-coated TMT bar** Reinforcement in sub-structure complete as per Drawing and Technical Specifications.(V-III, I.No 13.1 Page No 99, PWD SR 2021-22)(Issue rate on 07-07-22)								
	For RCC Drain, 60kg/Cum	1	58.03	60.00		3481.92			
						3481.92			
						3.48	**Tn**	**81000.00**	**282035.52**
	Approved Amount		**81000.00**						
4	Providing and laying in position **Reinforced cement concrete** for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) **M20 Design Mix Using 20 mm** nominal size graded crushed coarse aggregates (V-1,P.No.17, I.No.2.4.2 of PWD SR 2021-22) Apendx I, V-I P.No-115) (Issue								

	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	RCC Drain Raft								
	Bhagavathi Badavane 3rd A Main Rd								
	RHS	1	198.40	0.75	0.15	22.32			
	RCC Drain Wall								
	Bhagavathi Badavane 3rd A Main Rd								
	RHS	2	198.40	0.15	0.60	35.71			
						58.03	**Cum**	**5445.00**	**315984.24**
	Approved Amount		**5445.00**						
5	Providing and fixing precast reinforced cement concrete covering slabs of 10Cm thick made of M25 with OPC cement,@340kgs/cum with 20mm and down size graded granite metal coarse aggregate @0.70cum and fine aggregate & 0.74 cum with superplasticizer machine,mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement etc., complete as directed by the Engineer in charge of the work.(Exclusive of GST and Area Loading Charges)								
	Drain Top Covering Slab								
	Bhagavathi Badavane 3rd A Main Rd								
	RHS	1	198.40	0.75		148.80			
	Ananthpura Village								
	Missing Slab	48	0.60	0.90		25.92			
						174.72	**Sqm**	**1637.00**	**286016.64**
	Approved Amount		**1637.00**						
6	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work ((V-I, P.No-8, I No-1.12 of PWD SR 2021-22)								
	CC Road								
	Cross Rd-1	1	25.40	5.00	0.25	31.75			
						31.75	**Cum**	**56.00**	**1,778.00**
	Approved Amount		**56.00**						
7	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 **M30 (Grade)**, coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14- days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete. as per the directions of the Engineer-in-charge of the work.(V-III, P.No-138,I No-20.29, KPWD SR 2021-22). (Issue rate on 07-07-22)								
	CC Road								
	Cross Rd-1	1	25.40	5.00	0.15	19.05			
						19.05	**Cum**	**5658.00**	**107784.90**
	Approved Amount		**5658.00**						
8	**Cost of Haulage Excluding Loading** and Unloading Taking output 10 t load and lead 10 km = 100 t.km(V-III Page No.3, Item No.1.4A of PWD SR 2021-22)								
	Qty frm Item No-1		198.4	1.28		253.95			
	Qty frm Item No-6		42.5	2.10		89.25			
						343.20	**t.Km**	**83.00**	**28,485.77**
	Approved Amount		**83.00**						

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
							Total Construction Cost	1338774.61
							18% GST for Construction Cost	240979.43
							GRAND Total	1579754.04

Assistant Engineer
Ward No-02
BBMP Bangalore

Asst Executive Engineer,
Yelahanka Sub Division
BBMP Bangalore

Executive Engineer,
Yelahanka Division
BBMP Bangalore

Technical Sanction
Accorded For Rs.1579754.04
Head of A/C..0-3226...
CER NO :TS.944/2022 Dt:..14/03/2023,

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